

APPENDIX: CLAIMS ON APPEAL

3. The process of Claim 9 wherein pentane is used as the organic blowing agent.

4. The process of Claim 9 wherein cyclopentane is used as the organic blowing agent.

5. The process of Claim 9, wherein a mixture of 15 to 50% by weight n- and/or isopentane and 85 to 50% by weight cyclopentane is used as the organic blowing agent.

6. The process of Claim 9, wherein hexane is used as the organic blowing agent.

7. The process of Claim 9, wherein cyclohexane is used as the organic blowing agent.

8. The process of Claim 9, wherein mixtures of pentane, cyclopentane, hexane and/or cyclohexane are used as the organic blowing agent.

9. A process for the production of rigid foams containing urethane groups and predominately isocyanurate groups consisting of reacting:

1) polyisocyanates;

with

2) from 30 to 90 parts by weight of compounds containing at least two isocyanate-reactive hydrogen atoms, having molecular weights of 400 to 10,000, and containing branched chains;

in the presence of

3) one or more C₁ to C₆ hydrocarbons as the sole blowing agents;

4) from 10 to 60 parts by weight of flameproofing agents;

and

5) from 10 to 20 parts by weight of compounds containing at least two isocyanate-reactive hydrogen atoms and having molecular weights of 32 to 399 as crosslinking agents;

and, optionally,

- 6) auxiliary agents and additives which are selected from the group consisting of emulsifiers, foam stabilizers, catalysts, reaction retarders, cell regulators, pigments, dyes, stabilizers against ageing and weathering, plasticizers, fungistatic agents, bacteriostatic agents and fillers;

wherein the parts by weight of components (2), (4) and (5) totals 100 parts by weight, and wherein the reaction is conducted at an isocyanate index of 200 to 600.